

FIGURE 1

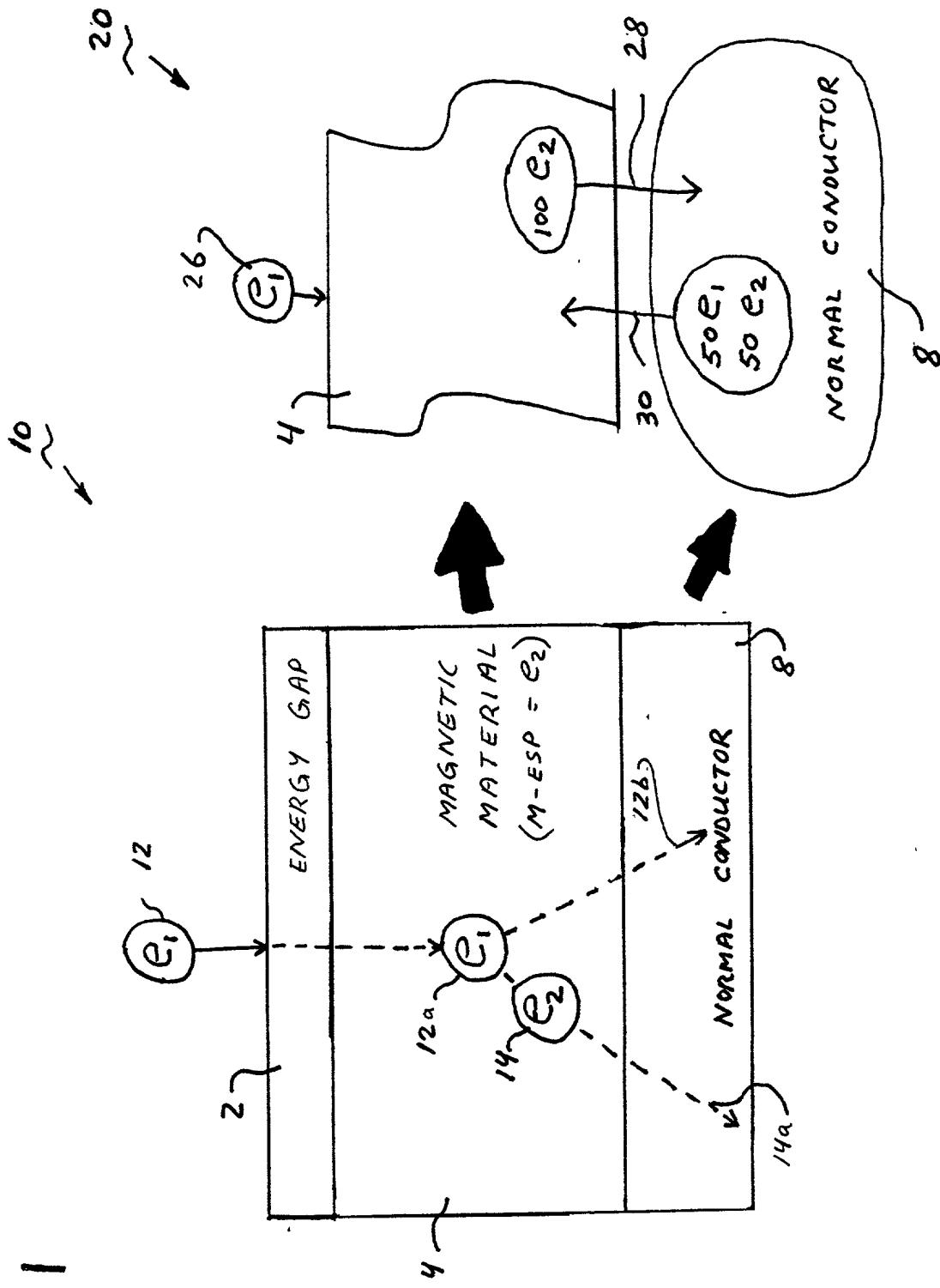


FIGURE 1B

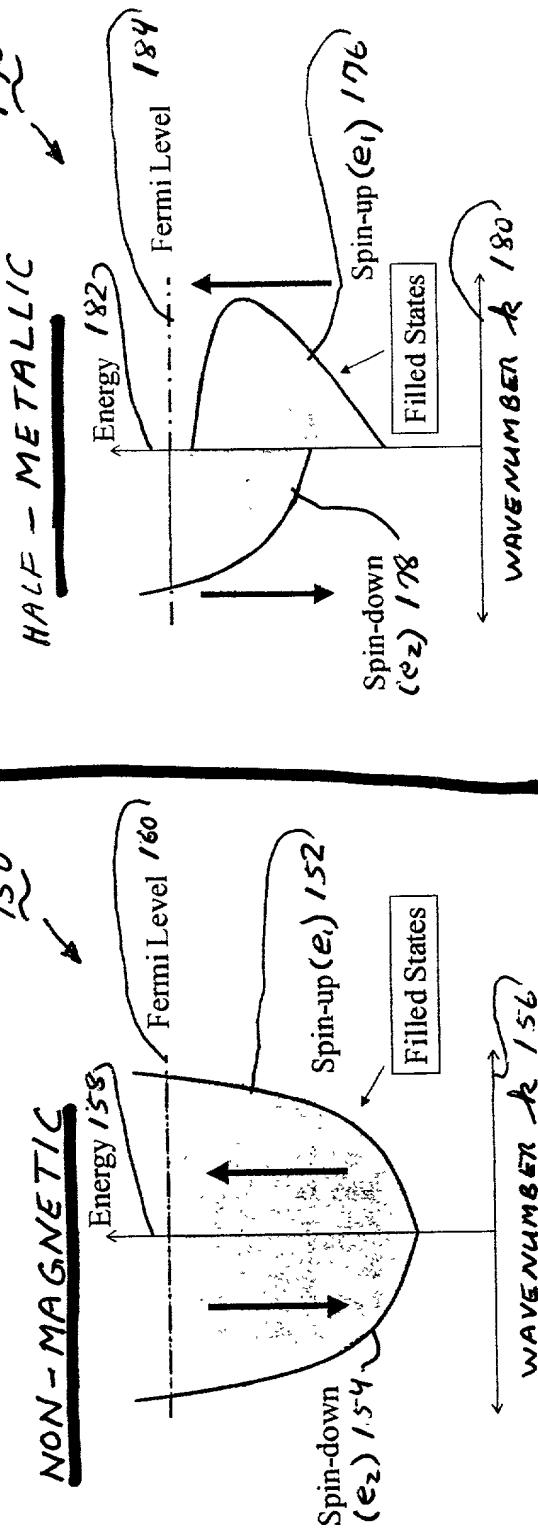
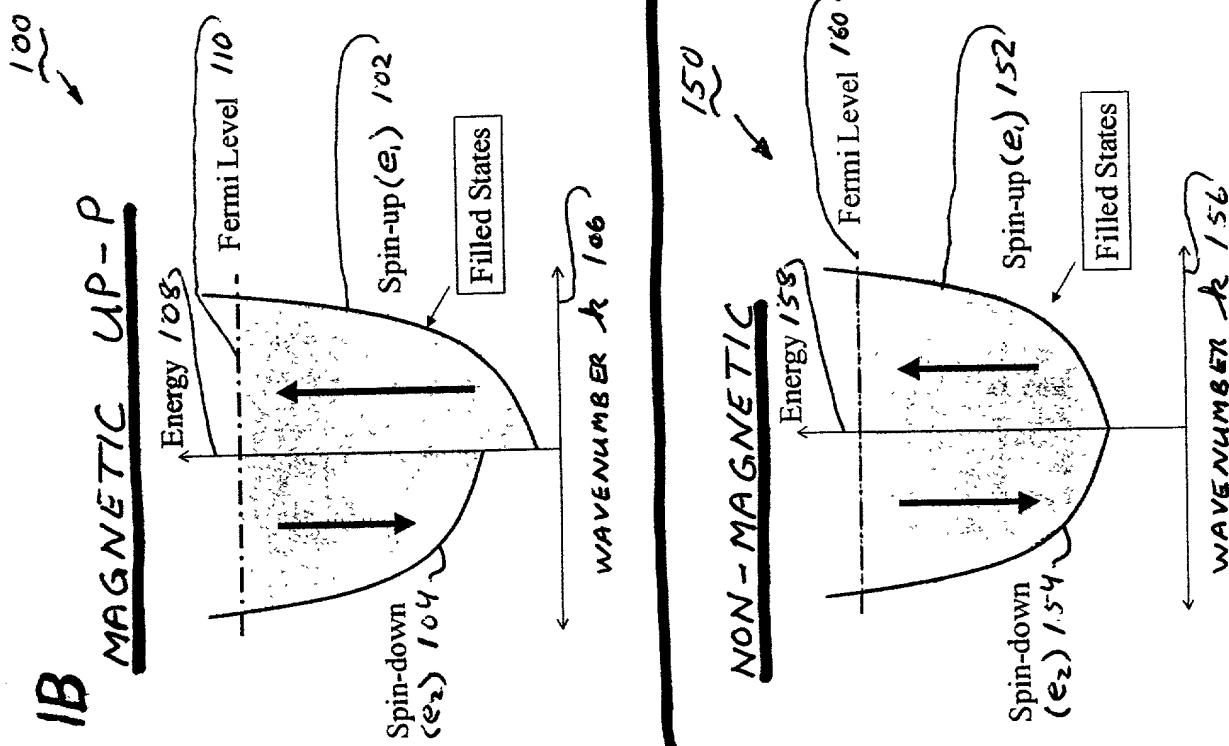


FIGURE 2

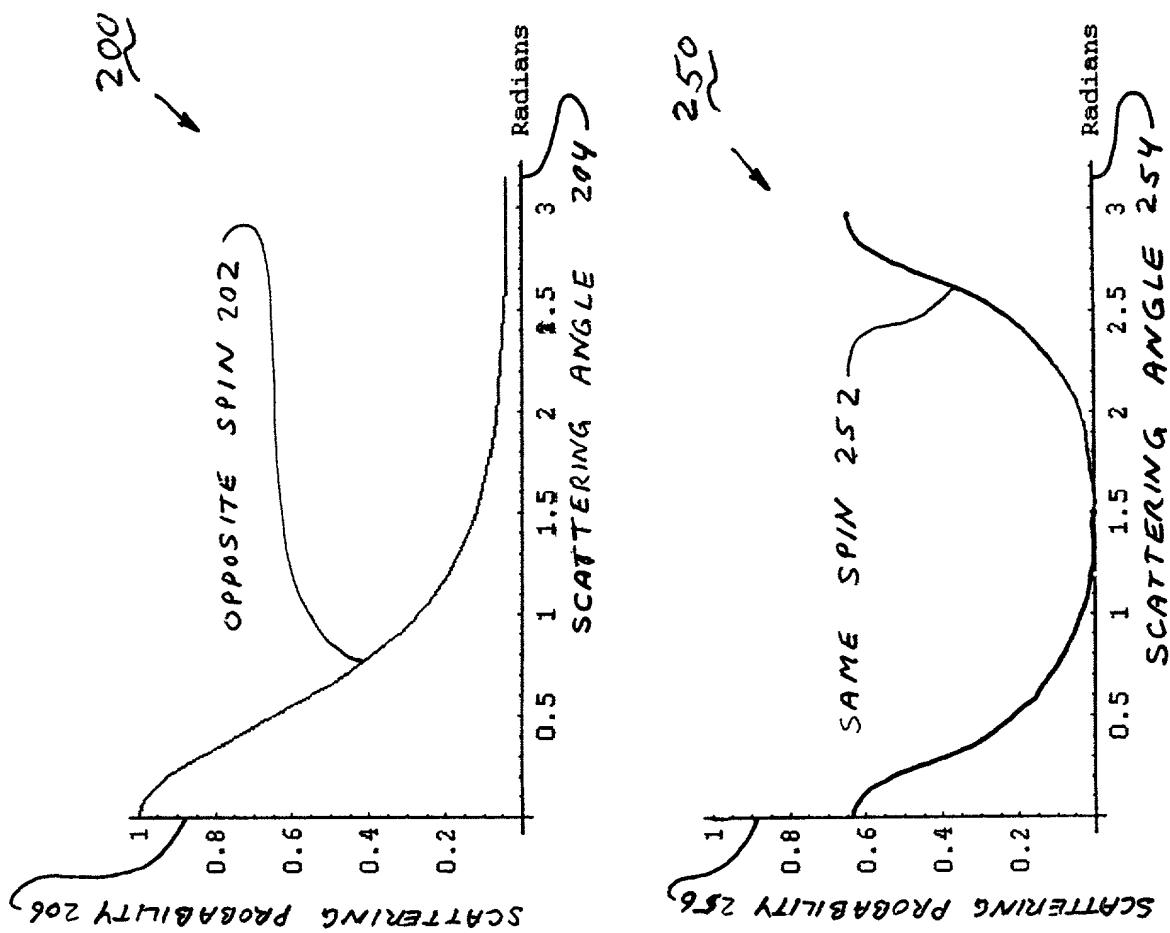


FIGURE 3

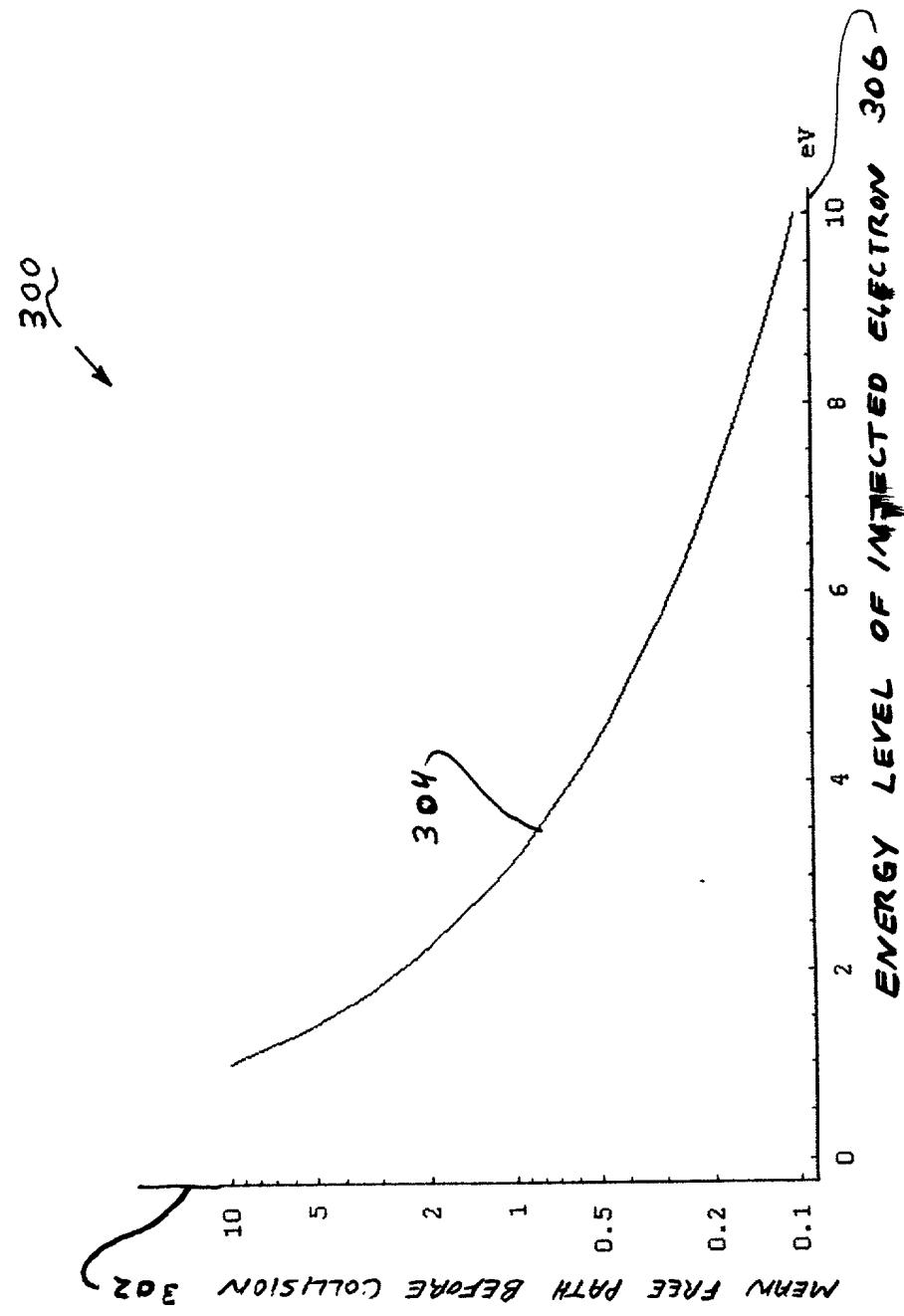


FIGURE 4

402 → CRITICAL EQUATION FOR REVERSAL OF THE
SPIN POLARIZATION OF THE MAGNETIC VOLUME

$$\frac{N_s}{\tau_s} < \frac{I}{e} \cdot g$$

404 → N_s = NUMBER OF SPINS IN A MAGNETIC VOLUME

406 → τ_s = SPIN RELAXATION TIME

408 → I = ELECTRON CURRENT

410 → e = ELECTRON UNIT CHARGE

412 → g = NUMBER OF E_2 POLARIZED ELECTRONS EJECTED
PER INJECTED e_1 POLARIZED ELECTRON

FIGURE 5.

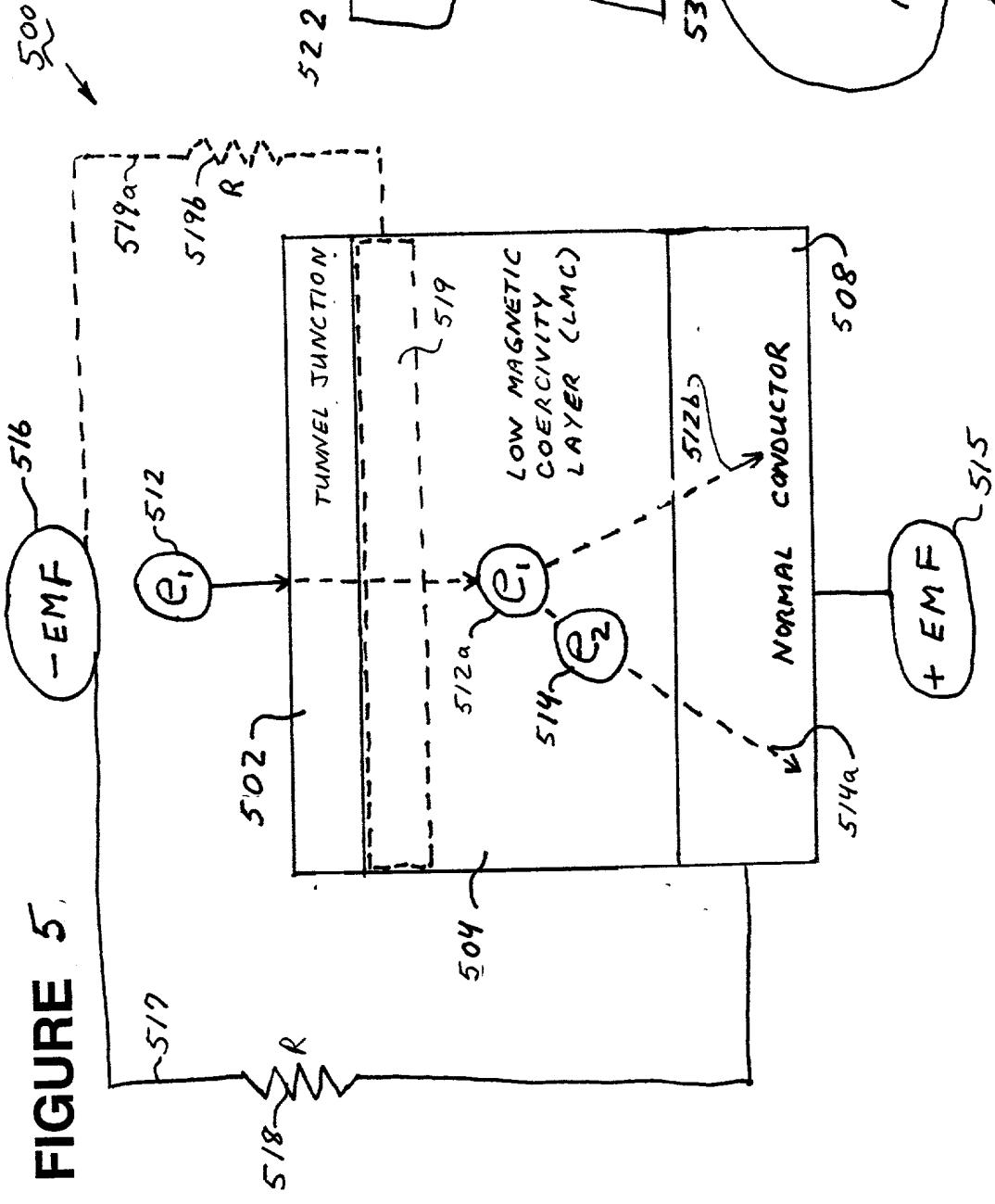


FIGURE 5.

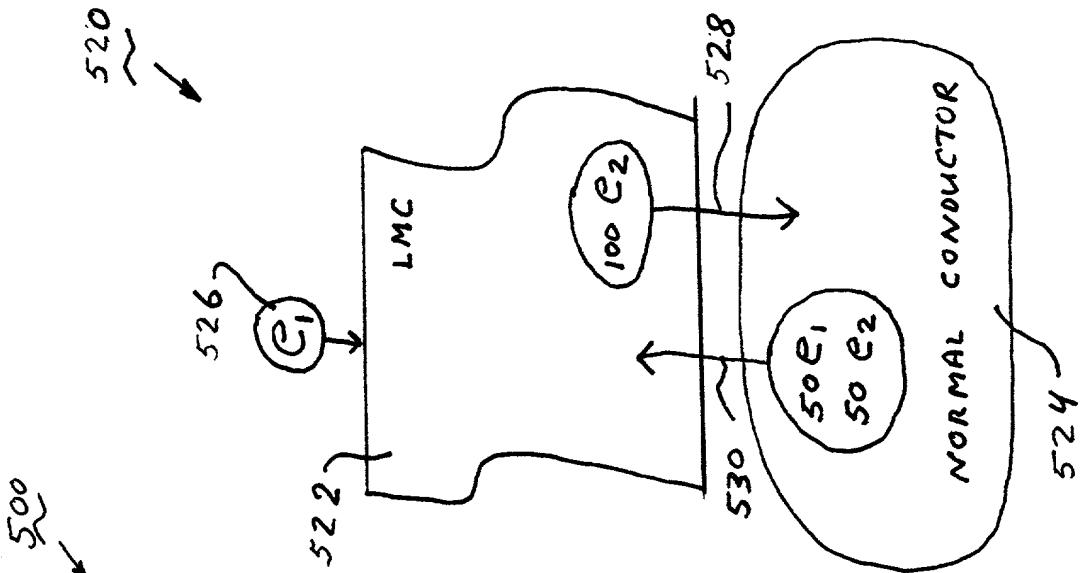


FIGURE 6

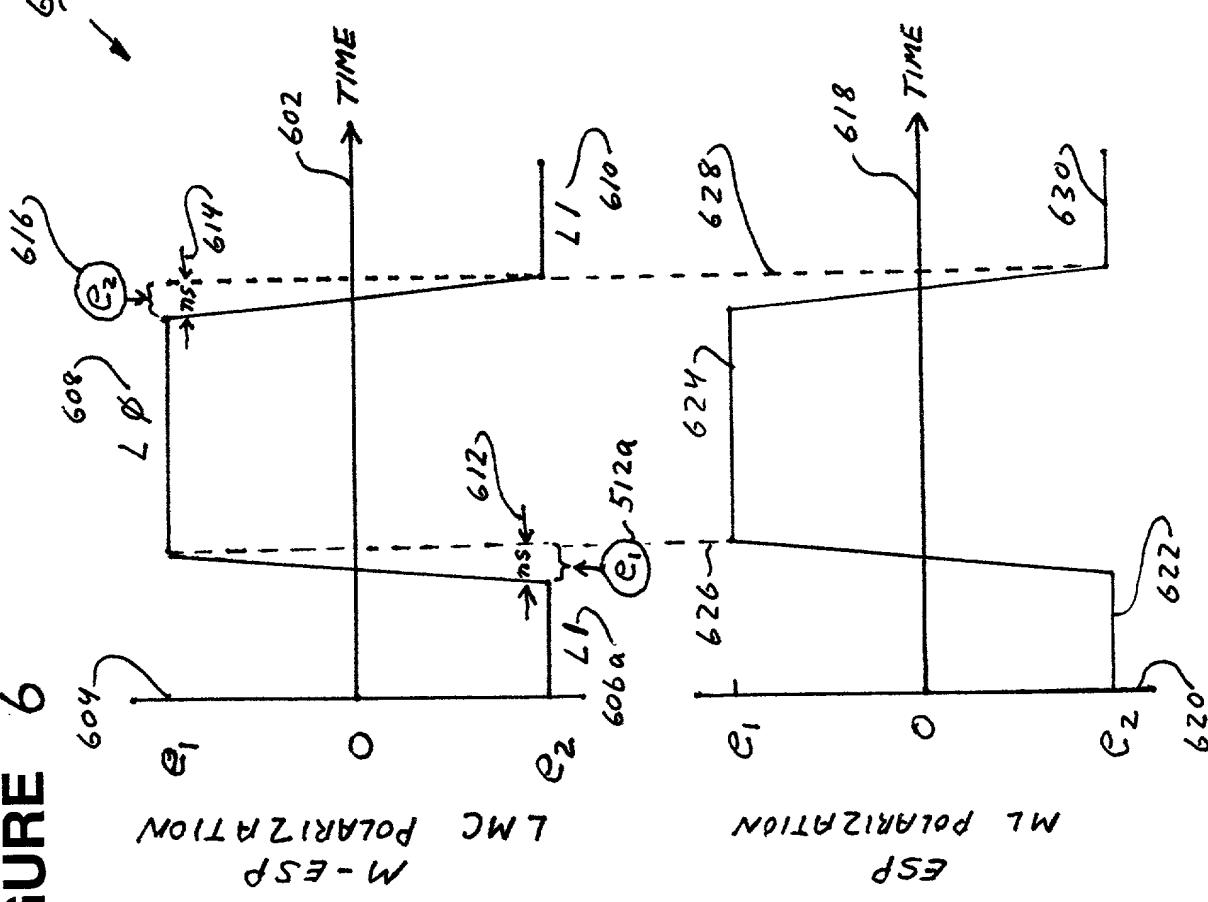


FIGURE 7

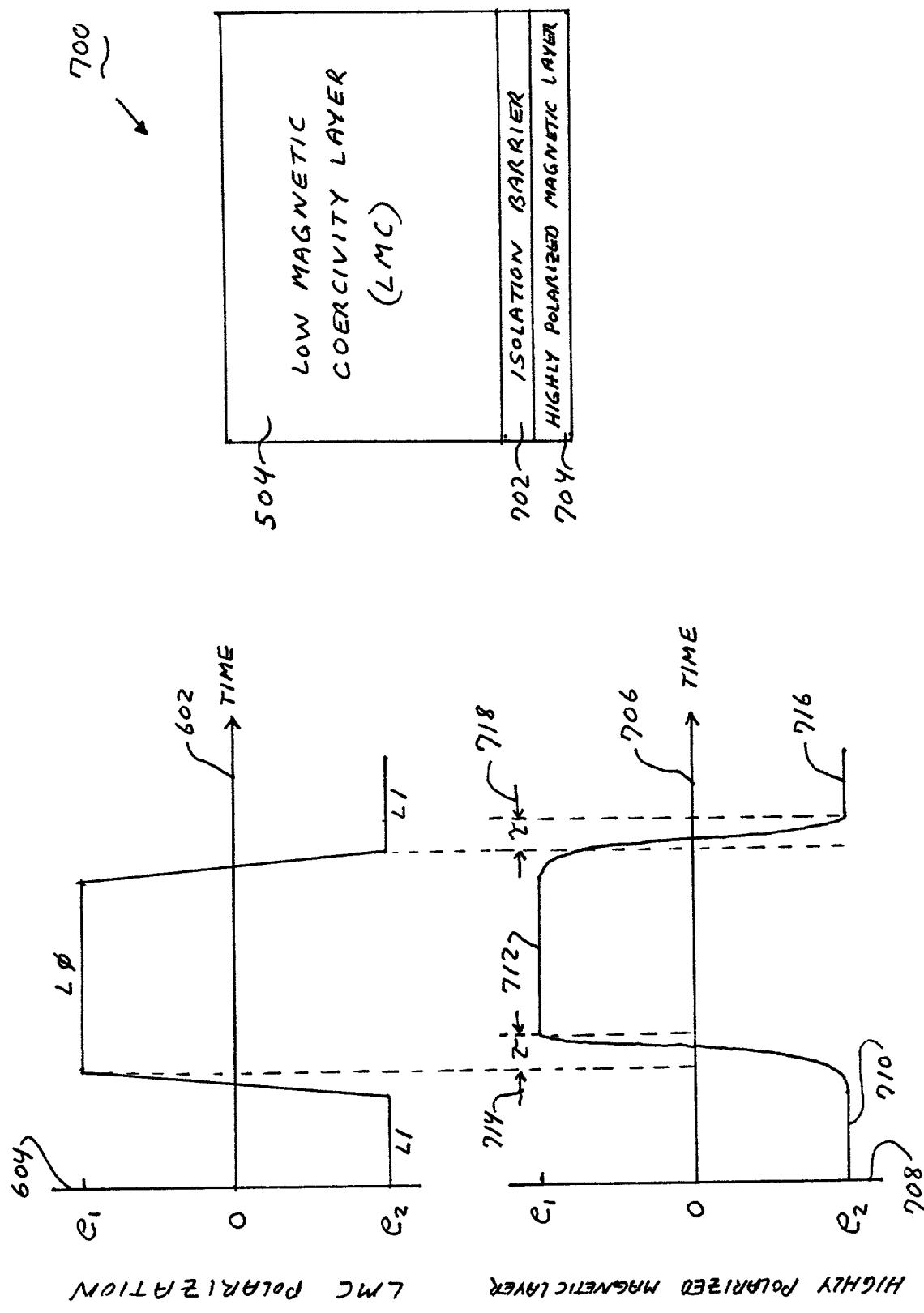


FIGURE 8

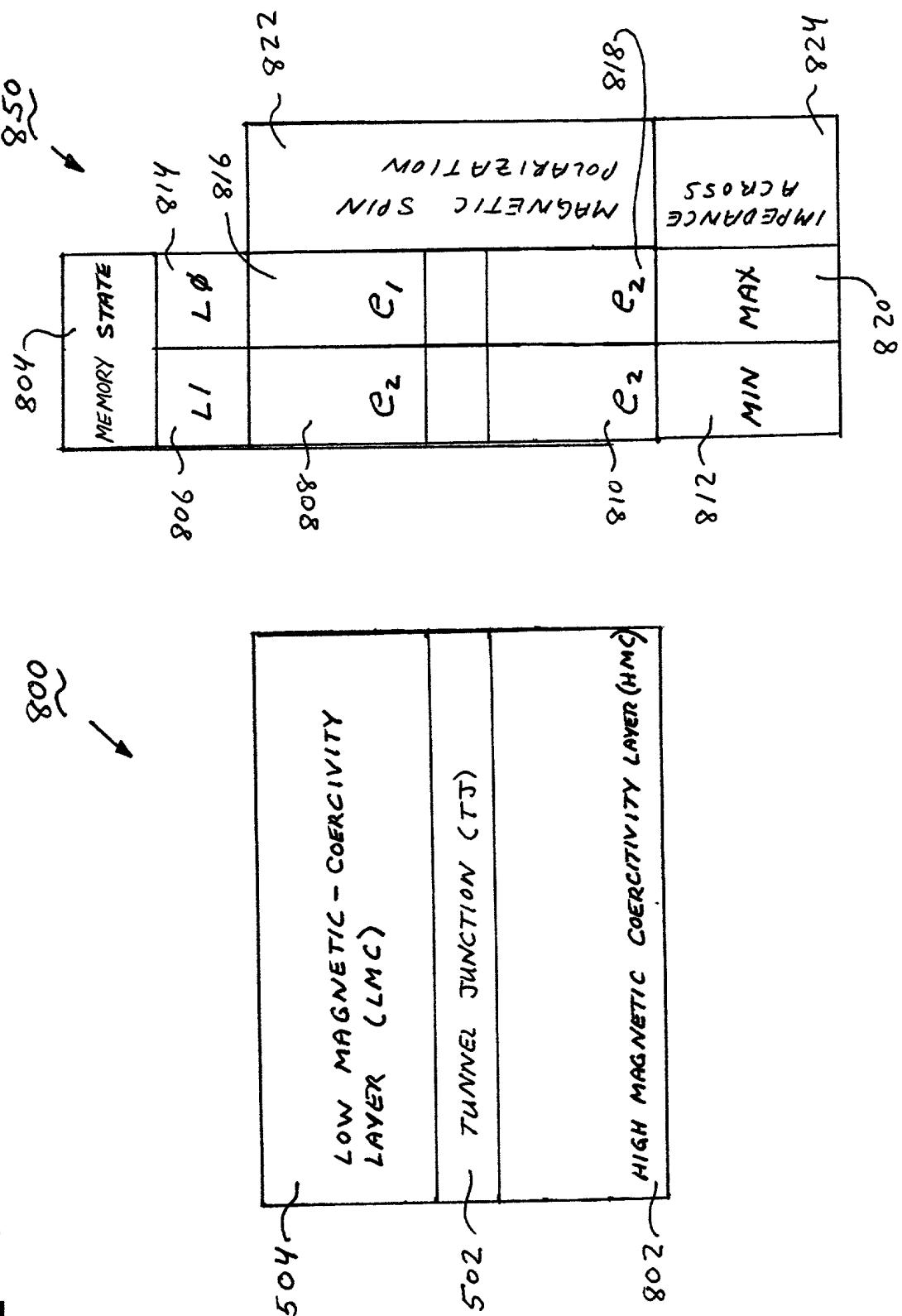


FIGURE 8B

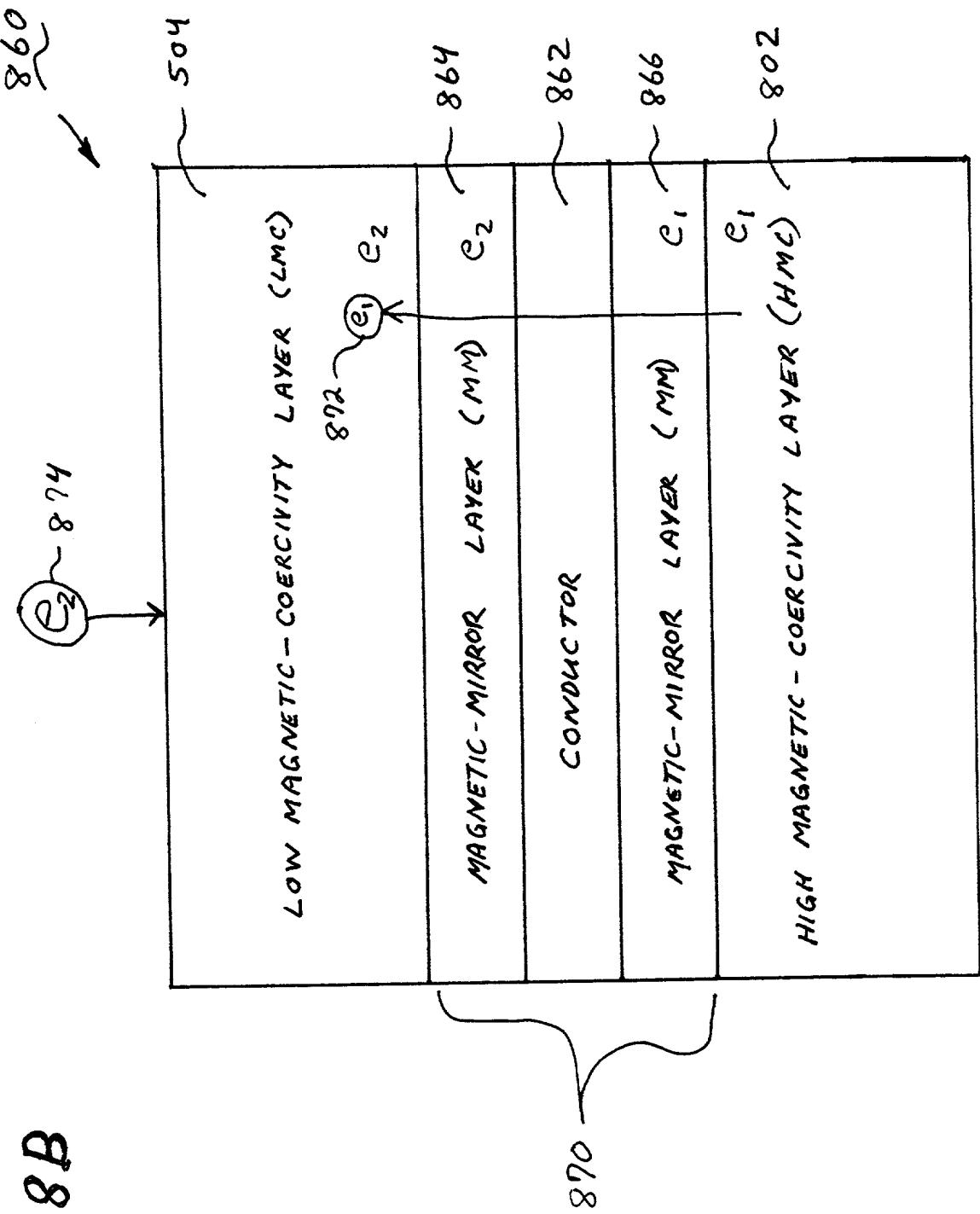
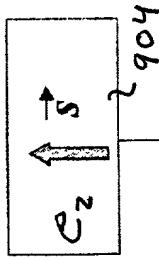


FIGURE 9

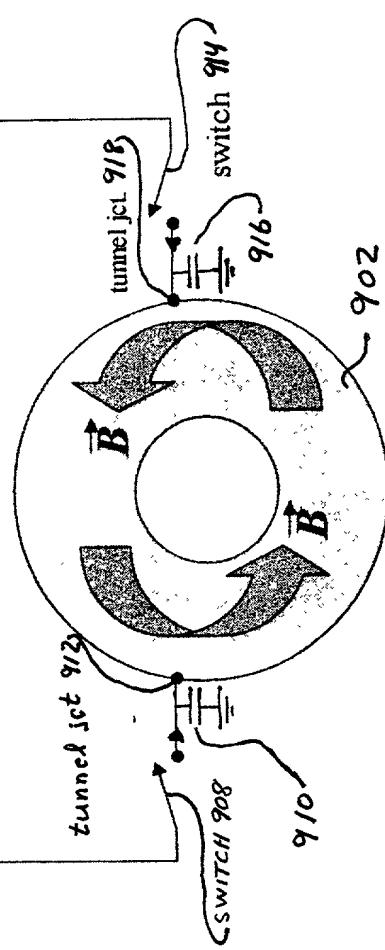
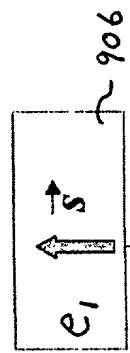
Application to VMRAM

~ 900

Half metallic



Half metallic



Top view

~ 950

Side view

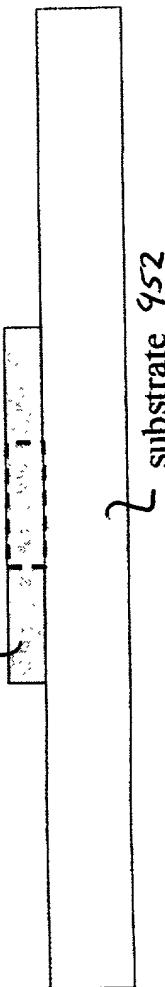


FIGURE 10

